1129-35-135 **Tarek M Elgindi***, Fine Hall, Washington Road, Princeton, NJ 08544, and **In-Jee Jeong**. *On the degeneration of solutions to the incompressible Euler equation.*

We discuss some recent constructions of solutions to the incompressible Euler equation which exhibit different types of norm growth. This includes some situations of ill-posedness (at low regularity) where infinite norm growth happens on arbitrarily short time intervals as well as situations where the solutions are more regular but exhibit infinite norm growth as $t \to \infty$. (Received March 10, 2017)